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Please amend the claims as follows:

1-14(Canceled).

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15 (Currently amended). A system, comprising:

a first discrete power amplifier having an input terminal coupled to receive a signal modulated using an orthogonal frequency division multiplexing (OFDM) modulation scheme; and

a second discrete power amplifier having an input terminal coupled to an output terminal of the first discrete power amplifier;

a primary antenna coupled to an output terminal of second discrete power amplifier;

a first discrete low noise amplifier (LNA);

a second discrete low noise amplifier (LNA) having an input terminal coupled to the primary antenna and an output terminal coupled to an input terminal of the first discrete low noise amplifier;

a diversity antenna; and

a third discrete low noise amplifier (LNA) having an input terminal coupled to the diversity antenna and an output terminal coupled to the input terminal of the first low noise amplifier.

16(Original). The system of claim 15, wherein the output power of the second discrete power amplifier is about 30 dBm or less.

17-22(Canceled).

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23(Currently amended). An apparatus to extend communication range in a wireless personal area network (WPAN) system, a wireless local area network (WLAN) system, or a wireless metropolitan area network (WMAN) system, comprising:

a first power amplifier (PA);

a first low noise amplifier (LNA);

a first circulator having a first terminal coupled to a first terminal of the first power amplifier, and a second terminal coupled to a first terminal of the first low noise amplifier, and a third terminal coupled to a first terminal of the apparatus;
and

a second circulator having a first terminal coupled to a second terminal of the power amplifier, and a second terminal coupled to a second terminal of the first low noise amplifier, and a third terminal coupled to a second terminal of the apparatus that is adapted to be coupled to a primary antenna; and

a second low noise amplifier having a first terminal coupled to a third terminal of the apparatus that is adapted to be coupled to a diversity antenna and a second terminal coupled to a fourth terminal of the apparatus.

24(Original). The apparatus of claim 23, wherein the WLAN system is a system substantially based on an Industrial Electrical and Electronics Engineers (IEEE) 802.11 standard and the WMAN system is a system substantially based on an Industrial Electrical and Electronics Engineers (IEEE) 802.16 standard.

25-26(Canceled).

27(Original). The apparatus of claim 23, wherein the first power amplifier has an output power of about 30 dBm or less and the first low noise amplifier has a gain of at least about 30 dB and a noise figure of less than about 6 dB.

28-33(Canceled).